

~~DEADLINE~~

09/127,341

CLEAN AMENDED CLAIMS

We claim:

- 1 1. (Canceled)
- 2 2. (Canceled)
- 3 3. (Canceled)
- 4 4. (Canceled)
- 5 5. (Canceled)
- 6 6. (Canceled)
- 7 7. (Canceled)
- 8 8. (Canceled)
- 9 9. (Canceled)
- 10 10. (Canceled)

1 11. A system comprising data processing means wherein a generic traversal process is
2 employed that can be applied to the macro structure of a financial instrument to im-
3 plement one or more functions that produce results based on this information.

1 12. The system of claim 11, wherein each said function is implemented as a specific ex-
2 tension of said generic traversal process to generate a specified type of result.

1 13. The system of claim 12, wherein each traversal process is based on a well defined
2 interface between the financial events contained in the financial event structure of a
3 financial instrument and said traversal process.

1 14. The system of claim 13, wherein the action to be performed for each type of financial
2 event is defined, in said specific traversal process, independently from the action for
3 any other type of financial event.

1 15. (Amended) The system of claim 14, wherein the overall result of applying a function
2 specific traversal process to the financial event structure of a financial instrument is a
3 combination of applying all individual financial actions to the respective financial
4 events in a prescribed way.

1 16. The system of claim 11, wherein said traversal process is implemented via a double
2 dispatch mechanism.

1 17. The system of claim 16, wherein said double dispatch mechanism selects the appro-
2 priate action for each financial event without predetermined knowledge of the over-
3 all referential structure of the financial event structure.

1 18. The system of claim 16, wherein a nested double dispatch mechanism initiated inside
2 the action for a given financial event can select the appropriate action for any finan-
3 cial event referred to locally within the financial event.

1 19. The system of claim 18 wherein said nested double dispatch mechanism can be ap-
2 plied recursively to any level.
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